

Figure 1

EcoRI
gaattcggcagcagagccctgctatatactgtgctttggcaactaactccatcgtaataatctaatataataataaaa 75

M E S T S T T T N F V A E N R P T 17
 39 ATG GAG TCG ACA TCA ACA ACG ACC AAC TTT GTT GCC GAG AAC CGT CCG ACC 125

F G E T F D V M R E A L L R V K S S 35
 TTT GGT CAG ACG TTT CAT GTG ATG AGG GAA GCT TTG CTT CGT CTA AAC TCC TCT 179

E E L A M L R A L A G M C G H R V L 53
 GAA CGC TTG GCA ATG CTC AGA GCG CTT GCA GGA ATG TGC GGT CAC CGC GTC CTT 233

P G T G A S A I A A T V T P K G A S 71
 CCT GGC ACT GGT GCT TCT GCG ATA GCG GCA ACG GTA ACC CCA AAG GGG GCT TCG 287

M E L K P P R P Q S T K S P E L R E 89
 ATG AAG CTT AAA CCA CCG CGT CCG CAG TCA ACG AAG TCT CCG GAG CTC AGG GAG 341

L S R K I R E M N K T I S Q E S A R 107
 CTG TCA CGG AAG ATT CCG GAA ATG AAT AAG ACT ATA AGT CAG GAA TCA GCT CGG 395

V N H R L P E S H P L L E K R A E Y 125
 GTA AAC CAC CGG TTG CCG GAA GGC CAC CCT CTC TTA GAG AAG CGG GCA GAA **TAT** 449

F R H L R S L K S Q G V N R L I * 141
TTT CGT CAC CTT AGA TCT CTT AAG AGC CAA GGA GTC AAT AGA CTC ATC TAA G 501
 aaggcactacgttaggtaccgtgacctctatgaggaatacgaaccgactagtgccacaatagacgaccagttctta 573
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 tctgaactccatctctctgaagcaactctacggaactctctcgaaggttactctgaactccctctctctctct 933
 ct 1005
 ct 1077
 ct 1149

Figure 2

EcoRI

gaattcggcagagccctgctatactgtgctttgcaactaactccatcgtaataattttaataataataaaa72

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      M E S T S T T T N F V A E N R P T 17
33 ATG GAG TCG ACA TCA ACA ACG ACC AAC TTT GTT SCC GAG AAC CGT CCC ACT 125

      F G E T F C V M R E A L L R V K S S 35
TTT GNT GAG ACG TTT GAT GTG ATG AGG GAA GCT TTG GTT CGT GTA AAG TCC TCT 179

      E R L A M L R A L A I M I G H R V L 53
GAA GGT TTG GCA ATG GTT AGA GCG GTT GCA GGA ATG TGG GGT GAG CGC GTG CTT 233

      P G T G A S A I A A T V T P K G A S 71
CCT GGC ACT GGT GCT TTT GCG ATA GCG GCA ACG GTA ACC CCA AAG GGG GCT TCG 287

      M K L K P P R P Q S T K S P E L R E 89
ATG AAG GTT AAA CCA CCG CGT CCG CAG TCA ACG AAG TCT CCG GAG CTC AGG GAG 341

      L S R K I R E M N K T I S Q E S A R 107
CTG TCA CCG AAG ATT CCG GAA ATG AAT AAG ACT ATA AGT CAG GAA TCA GCT CGG 395

      V N H R L P E G H P L L E K F A E Y 125
GTA AAC CAC CGG TTG CCG GAA GGC CAC CCT CTC TTA GAG AAG CGG GCA GAA TAT 449

      F V T L D L L R A K E S I D S S K K 143
(T)TTC GTC ACC TTA GAT CTC TTA AGA GCC AAG GAG TCA ATA GAC TCA TCT AAC AAG 504

      A L R R Y R A S M R N T N R L V H N 161
GCA CTA CGT AGG TAC CGT GCC TCT ATG AGG AAT ACG AAC CGA CTA GTG CAC AAT 558

      R R P V L P K V E P D S N L P F G Q 179
AGA CGA CCA GTT CTA CCA AAG GTA GAG CCT GAC TCT AAT CTA CCA TTC GGC CAG 612

      R R S R M T T W N L R P R R I G Y P 197
CGA CGG AGT CGC ATG ACA ACG TGG AAT CTT AGA CCA CGC CGG ACG GGT TAT CCG 666

      S N S T L A V T E L L I S I Y R S N 215
TCA AAT GGT ACT TTC CCA GTT ACG GAA CTC GTG ATC TCG AIT TAT AGA TCA AAC 720

      F Y T L K V V E E G R C T C C N T H 233
TTC TAC ACC TTG AAG CTG GTC GAG GAA GGG AGA TGT ACG TGC TGC AAC ACC CAT 774

      K E Q A L L L L S G Y L Q L Y R A L 251
AAG GAG CAA GCT TTG CTA CTC CTA TCC GGT TAC CTC CAG CTA TAT CGT GCA CTG 828

      H S V G R S V F V E Y C K T R I C V 269
CAC TCA GTT GGA AAG TCT GTA TTC GTA GAA TAC TGC AAA ACC AGG ATA TGC GTC 880

      E A R T T L L R P R V T L T G C 285
GAT CTA GAT TCA AAT GAA CTA GTT CCA AAT GTT AAT TCA AAT GAT TCA AAT 944

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.....actcgag

Figure 3

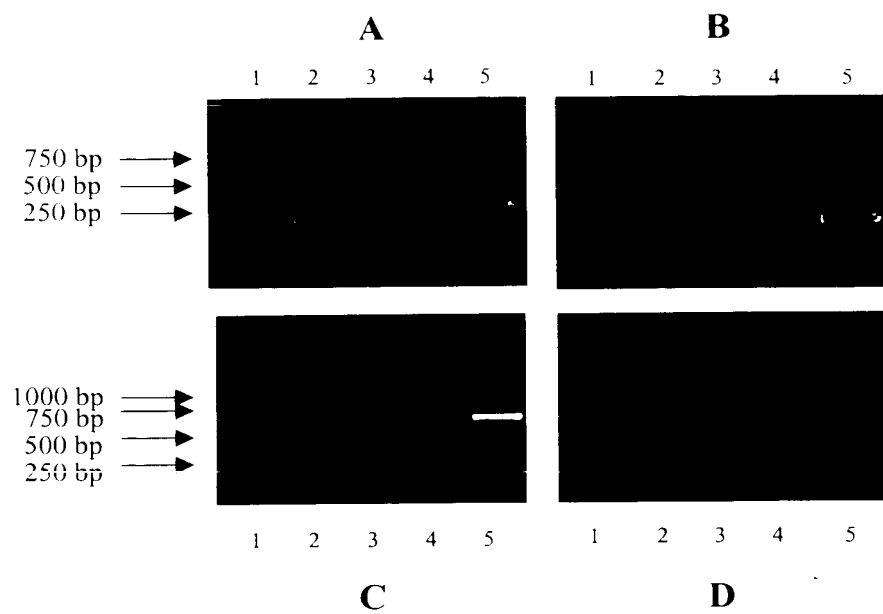


Figure 4

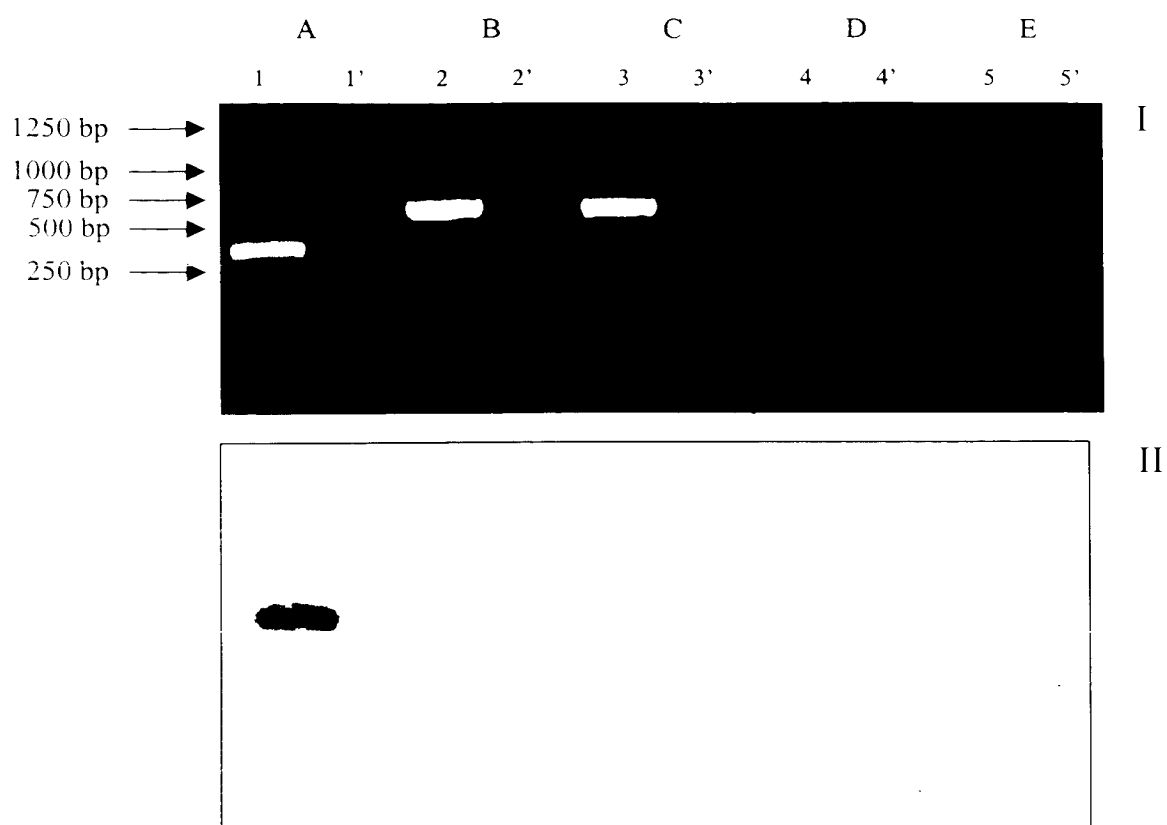
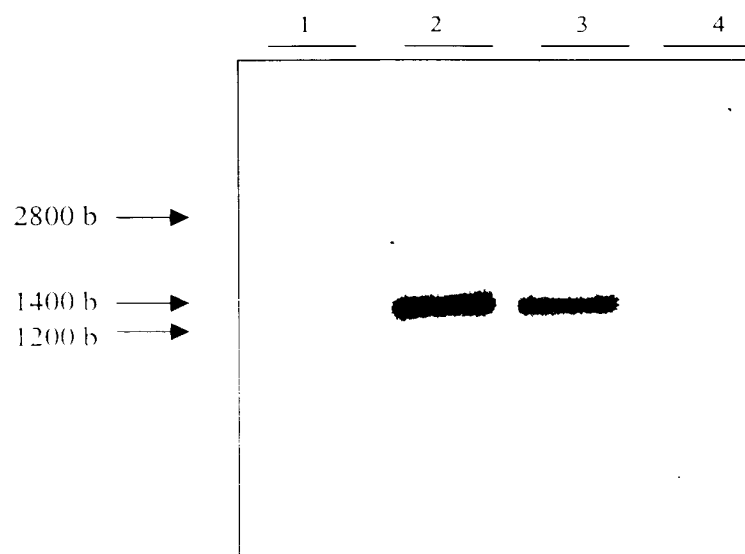


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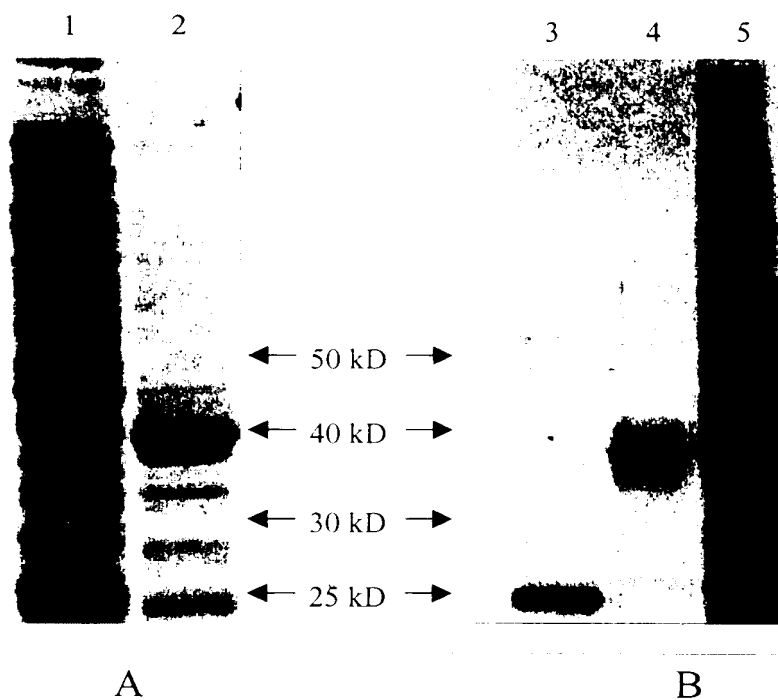


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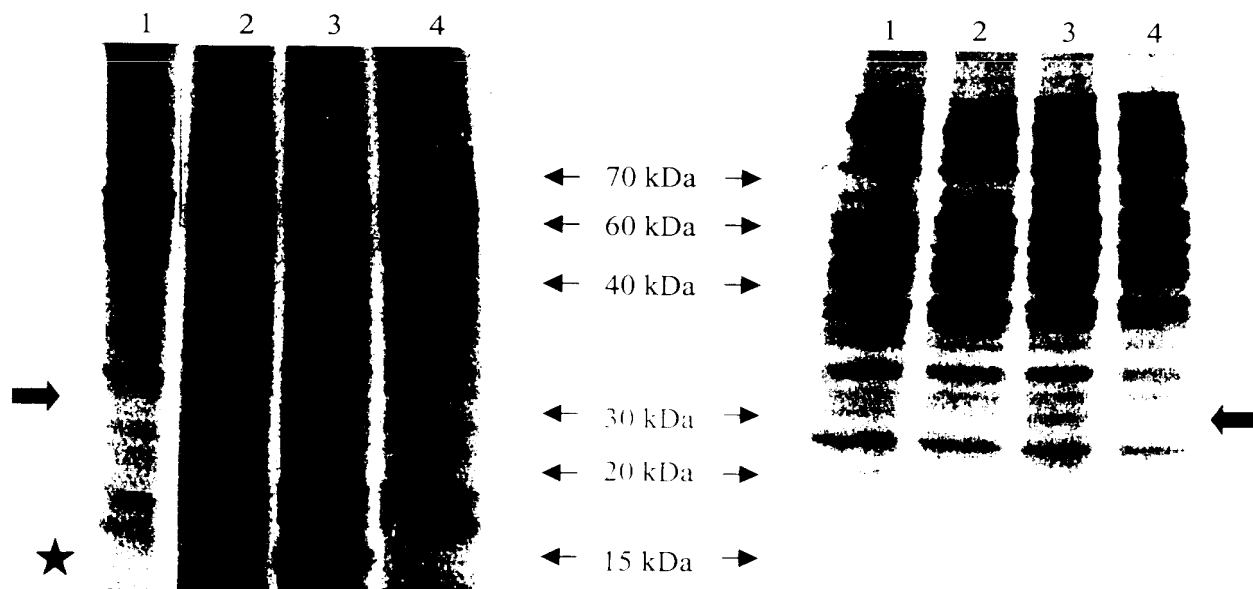


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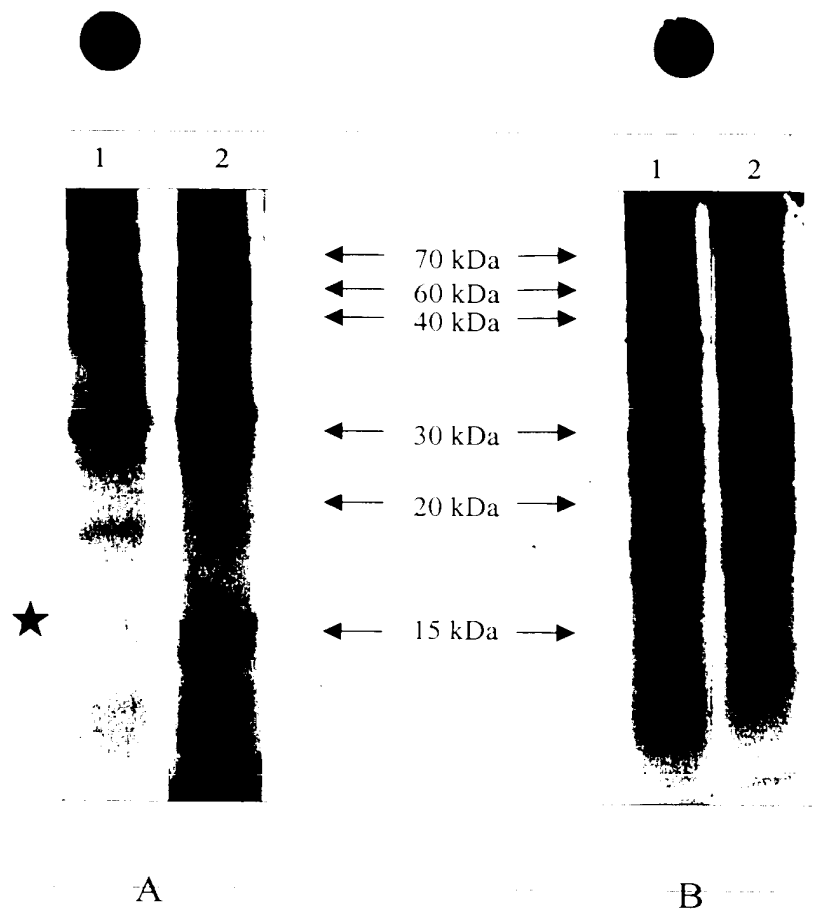


Figure 9.

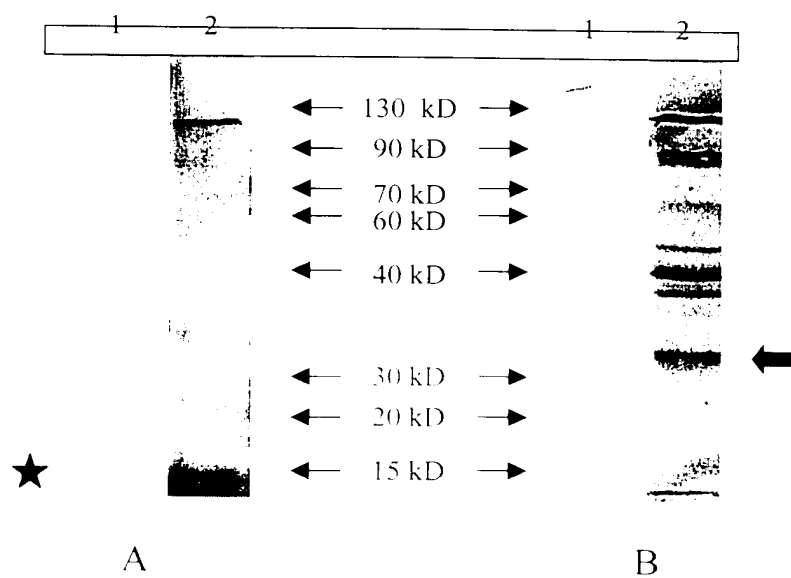
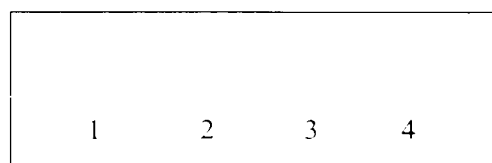


Figure 10



Figure 11



← 70 kDa

← 60 kDa

← 40 kDa



← 30 kDa

← 20 kDa



← 15 kDa



Figure 12

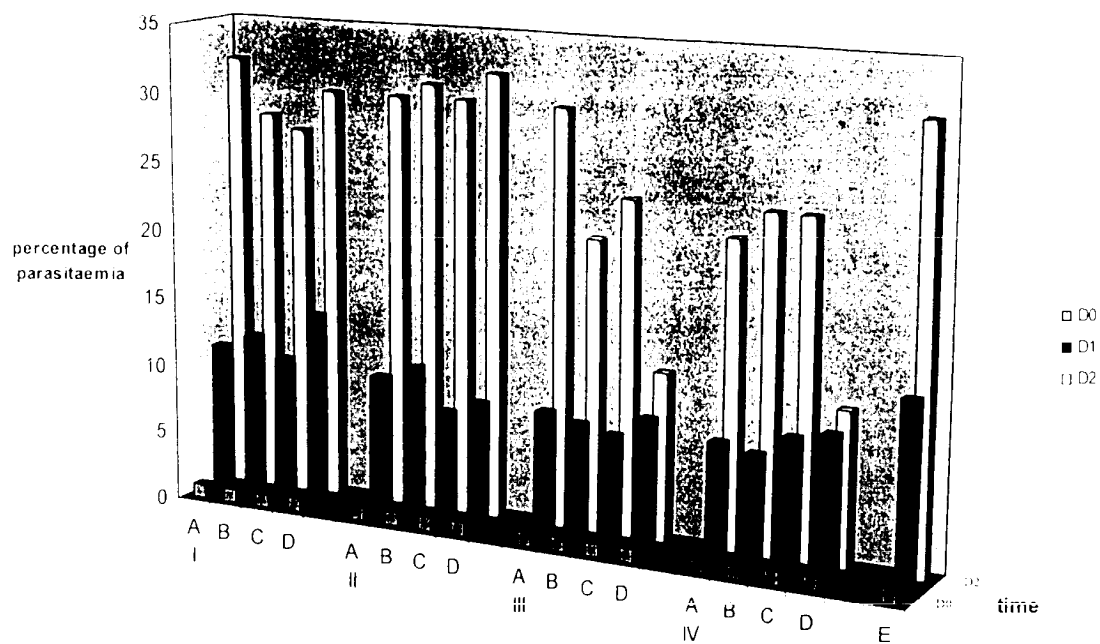
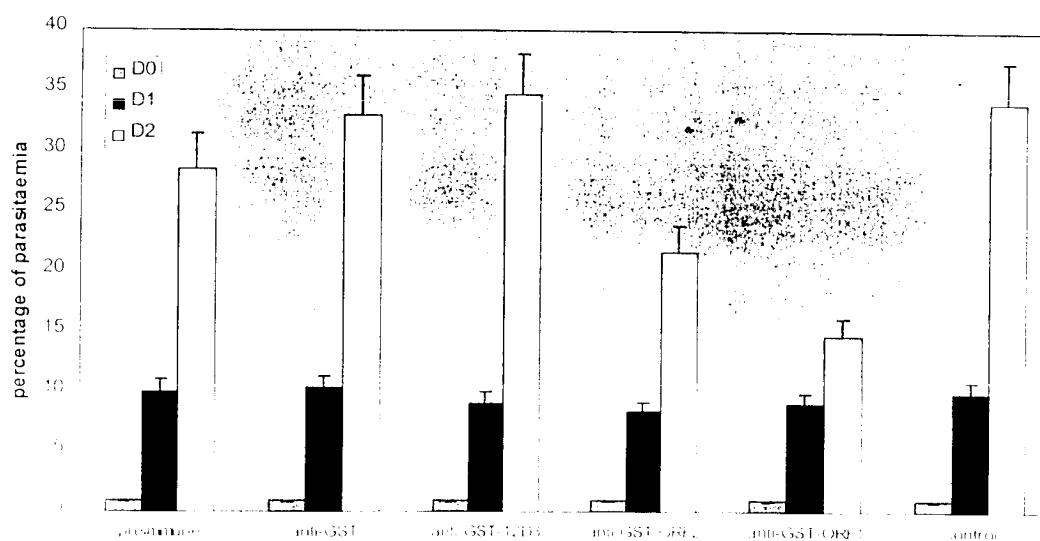


Figure 13



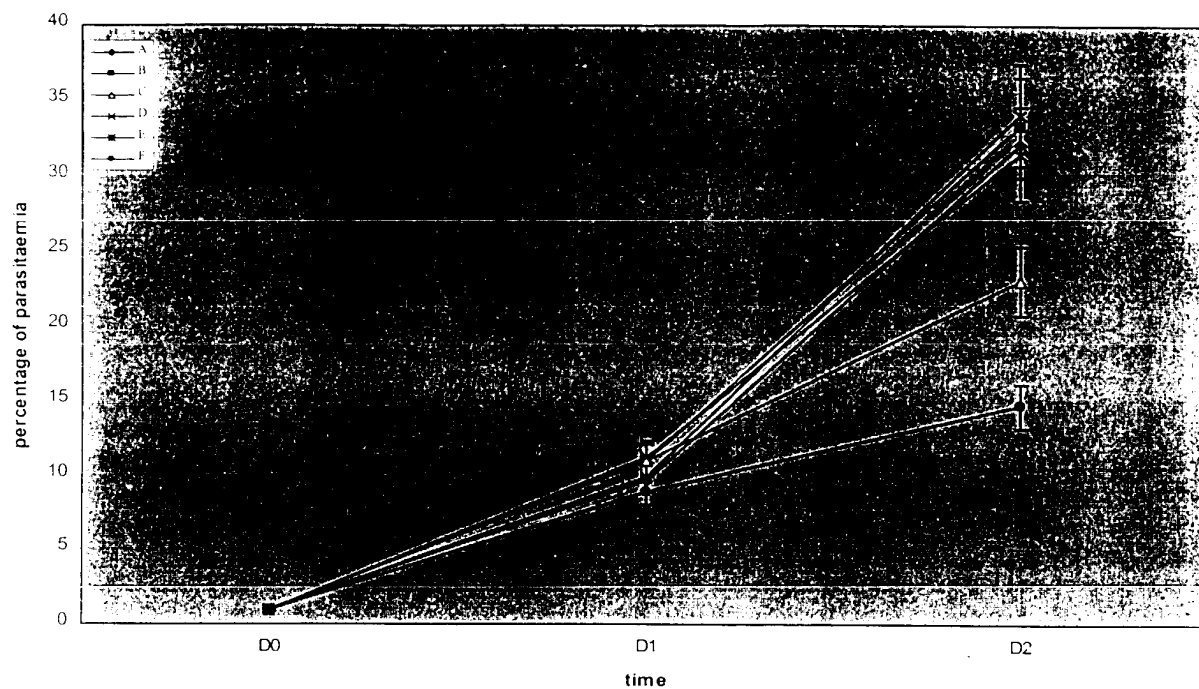
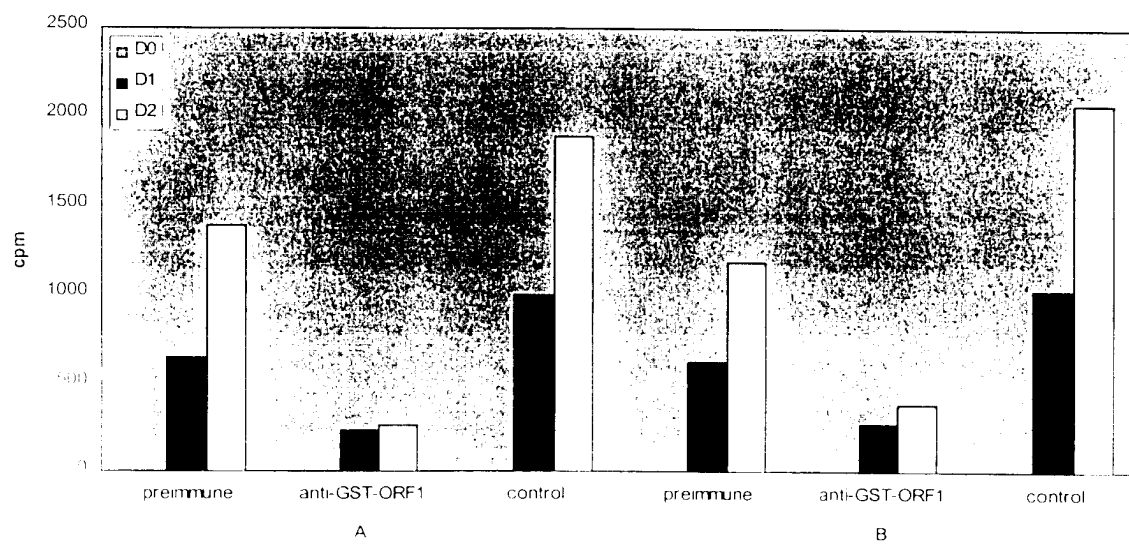
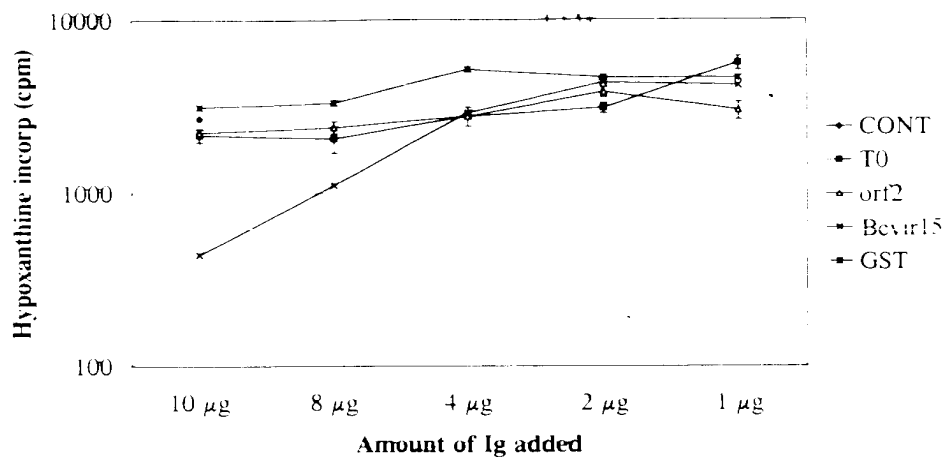


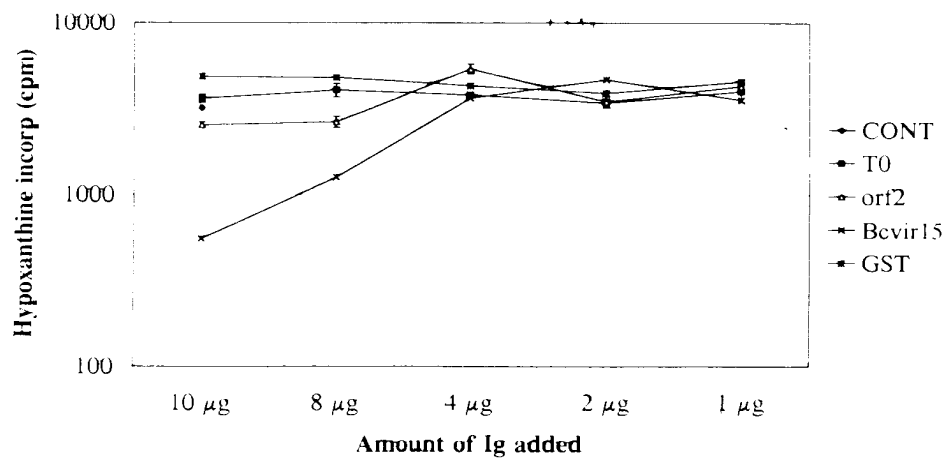
Figure 16



Inhibition *in vitro* *B. canis* A



Inhibition *in vitro* *B. canis* B



Inhibition *in vitro* *B. rossi* M

